

Title (en)
MOULDING DEVICE FOR COMPOSITE SELF-REINFORCED PANELS

Publication
EP 0368734 B1 19920812 (FR)

Application
EP 89403042 A 19891106

Priority
FR 8814561 A 19881108

Abstract (en)
[origin: EP0368734A1] A device employed for performing the moulding of self-reinforced panels (A) of composite material with a heat-curable matrix comprises a block (10), a sealing bladder (12) whose peripheral edge is connected to the block by a sealing bead (14) and solid and undistortable gauging components (22). The panel (A) is placed in a sealed volume (16) confined between the block and the bladder, while the components (22) are placed outside this volume, above the bladder, between the stiffeners (C) of the panel. The gauging components (22) are joined by a rigid structure (24). Thus, when the volume (16) is placed under reduced pressure and when the device is placed in an oven or an autoclave, a uniformed pressure is applied to the panel by the bladder (12) and the components (22) guarantee the geometry of the stiffeners. <IMAGE>

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B29C 67/14

IPC 8 full level
B29C 70/42 (2006.01); **B29C 70/44** (2006.01); **B29D 99/00** (2010.01); **B29C 43/12** (2006.01)

CPC (source: EP US)
B29C 70/42 (2013.01 - EP US); **B29C 70/44** (2013.01 - EP US); **B29D 99/0014** (2013.01 - EP); **B29D 99/0017** (2013.01 - EP US); **B29C 43/12** (2013.01 - EP US); **Y10S 425/06** (2013.01 - EP US)

Cited by
WO2009083318A1; WO2012094063A1; EP1972427A4; RU2482965C2; FR2670153A1; US5882462A; EP0502621A1; CN103282190A; KR20130141525A; WO9915323A1; WO9221516A1; US8734711B2; US8961732B2; US9427899B2

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